

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00677_11 ~ SP6ES-15L35K-DX-AR6WES-SG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00677_11_M-15L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 7/27/2018
 [UPDATE] 10/10/2018
 [LUMCAT] SP6ES-15L35K-DX-AR6WES-SG
 [LUMINAIRE] Nom. 6.0" Aperture, LED Wall Wash
 [OTHER] Matte white trim, open aperture,
 [OTHER] Peened 'kicker' reflector
 [OTHER] Any flange finish
 [LAMP] N/A
 [LAMPCAT] N/A, 3500K CCT
 [OTHER] Fully regressed lensed, light emitting surface
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] CCT Output Multipliers: 4000K X 1.03, 3000K X 0.985
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.80
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00677_11 ~ SP6ES-15L35K-DX-AR6WES-SG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	34552	15297	2953
55	32863	7236	823
65	22469	2305	457
75	10037	583	380
85	1238	554	566

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792
2.5	1536.625	1532.627	1539.817	1545.197	1558.157	1556.010	1581.055	1567.097	1562.565	1561.139
5.0	1513.747	1509.212	1520.404	1524.950	1545.146	1554.636	1576.246	1567.677	1556.782	1565.989
7.5	1481.707	1477.204	1489.516	1494.483	1518.745	1536.322	1559.758	1537.625	1523.088	1534.015
10.0	1447.154	1438.441	1457.483	1453.128	1486.970	1515.792	1521.097	1498.075	1470.765	1498.985
12.5	1386.359	1375.744	1394.968	1401.817	1430.965	1464.556	1463.006	1414.787	1385.656	1413.025
15.0	1320.147	1303.550	1330.747	1329.429	1367.364	1410.956	1373.031	1321.077	1277.915	1324.379
17.5	1227.104	1205.867	1226.306	1241.149	1261.498	1306.172	1260.378	1180.510	1138.098	1184.771
20.0	1130.413	1104.313	1120.582	1122.893	1145.662	1198.966	1112.671	1032.247	976.574	1042.123
22.5	1030.043	994.641	993.272	986.381	1006.559	1049.282	944.568	849.218	790.080	859.274
25.0	929.389	891.946	867.163	849.135	863.685	899.092	772.600	662.763	610.354	678.091
27.5	852.817	801.284	751.415	711.520	719.828	742.697	598.813	499.335	437.147	509.351
30.0	777.260	719.777	639.204	583.409	575.869	589.612	454.542	337.348	300.498	350.467
32.5	716.620	650.992	546.234	459.046	451.427	459.309	321.113	233.269	192.496	239.885
35.0	656.125	585.605	457.342	352.267	328.115	335.630	224.014	132.388	122.206	142.602
37.5	597.422	524.051	384.456	250.784	235.585	242.504	137.214	87.841	75.822	93.228
40.0	539.903	467.807	314.272	170.099	144.963	157.019	86.440	46.521	49.556	52.920
42.5	490.843	416.587	252.158	94.207	89.311	98.252	43.204	33.755	33.825	37.747
45.0	446.096	381.316	197.497	57.488	38.124	49.939	28.889	22.391	24.771	25.606
47.5	421.790	358.306	160.040	26.930	25.790	29.353	18.581	18.802	18.476	20.014
50.0	397.512	334.780	126.311	18.831	14.842	14.481	14.825	15.334	14.817	15.413
52.5	373.330	310.933	99.610	12.806	11.486	11.468	11.592	12.341	12.012	12.544
55.0	344.164	275.752	75.785	10.334	8.616	9.062	9.836	9.681	9.976	10.255
57.5	301.511	234.757	56.313	8.021	7.711	7.687	8.120	8.030	8.127	8.793
60.0	258.377	195.015	40.073	6.557	6.620	6.533	6.397	6.424	6.934	7.423
62.5	214.226	155.778	27.797	5.096	4.970	5.682	4.759	4.920	5.852	6.158
65.0	173.379	120.915	17.783	3.688	3.526	4.662	4.236	4.002	4.851	5.075
67.5	137.970	87.412	10.035	2.438	2.536	3.454	3.719	4.139	3.858	4.163
70.0	103.112	62.176	5.741	2.004	2.029	2.702	3.226	3.850	2.854	3.163
72.5	68.748	39.833	3.370	1.711	2.086	2.233	2.845	3.145	2.105	2.115
75.0	47.433	26.141	2.756	1.609	1.794	2.018	2.610	2.025	1.971	1.823
77.5	30.717	15.319	2.061	1.386	1.517	1.774	1.987	1.321	1.721	1.709
80.0	18.326	7.301	1.231	1.179	1.474	1.490	1.357	1.559	1.339	1.633
82.5	8.004	2.573	0.844	1.005	0.831	1.385	0.907	1.336	0.863	0.659
85.0	1.970	0.910	0.881	0.950	0.901	0.937	0.941	0.825	0.700	0.960
87.5	1.030	1.014	0.703	0.868	0.742	1.115	0.910	0.768	0.886	0.796
90.0	0.291	0.842	0.293	0.427	0.586	0.367	0.682	0.377	0.776	0.343

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792	1559.792
2.5	1563.960	1559.125	1562.659	1538.330	1558.708	1537.918	1536.625
5.0	1564.825	1556.085	1553.812	1518.932	1535.227	1512.873	1513.747
7.5	1541.596	1541.159	1535.769	1487.588	1504.922	1482.547	1481.707
10.0	1508.601	1519.090	1507.111	1449.620	1470.329	1440.243	1447.154
12.5	1444.311	1473.133	1464.579	1393.068	1414.180	1378.695	1386.359
15.0	1364.755	1415.540	1402.598	1325.425	1346.837	1305.164	1320.147
17.5	1247.023	1325.335	1319.949	1233.561	1251.919	1216.072	1227.104
20.0	1113.538	1222.685	1214.699	1129.246	1145.714	1116.718	1130.413
22.5	949.065	1085.513	1089.617	1002.980	1026.750	1006.529	1030.043

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25.0	783.716	938.124	955.102	873.413	903.777	903.679	929.389
27.5	616.943	784.642	813.769	739.087	784.658	807.320	852.817
30.0	466.700	629.817	673.647	609.872	666.471	722.722	777.260
32.5	338.134	496.688	534.230	486.631	567.032	646.572	716.620
35.0	232.002	366.778	410.651	374.547	470.731	578.518	656.125
37.5	149.788	270.662	294.659	273.229	389.315	515.223	597.422
40.0	90.572	177.542	203.815	187.328	309.408	456.113	539.903
42.5	51.891	116.840	122.396	113.702	243.109	398.994	490.843
45.0	30.482	57.950	73.097	66.717	177.596	361.826	446.096
47.5	21.598	36.998	32.924	36.904	141.113	332.076	421.790
50.0	15.963	17.137	20.261	22.489	105.282	307.570	397.512
52.5	12.229	13.772	13.515	16.157	81.480	284.570	373.330
55.0	9.848	10.638	11.093	12.158	58.586	248.838	344.164
57.5	8.117	9.308	9.292	9.143	43.933	210.397	301.511
60.0	7.127	7.925	7.945	7.458	30.035	172.642	258.377
62.5	6.414	6.264	6.634	6.203	20.389	134.984	214.226
65.0	4.839	4.776	5.298	4.811	11.862	103.001	173.379
67.5	3.021	3.895	3.998	3.384	7.510	71.897	137.970
70.0	2.893	3.114	3.113	2.475	4.298	51.922	103.112
72.5	2.839	2.491	2.337	1.736	3.010	34.051	68.748
75.0	2.252	2.030	1.763	1.484	2.189	20.863	47.433
77.5	1.634	1.650	1.405	1.165	1.696	11.932	30.717
80.0	1.153	1.337	1.294	0.942	1.655	5.848	18.326
82.5	1.042	0.778	1.236	1.024	1.231	2.582	8.004
85.0	0.968	0.765	0.755	1.192	0.894	1.284	1.970
87.5	0.637	0.904	0.752	0.760	0.860	0.638	1.030
90.0	0.687	0.455	0.559	0.719	0.312	0.771	0.291

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Zone	Lumens	%Lamp	%Fixt
0-20	515.78	N.A.	38.60
0-30	896.84	N.A.	67.20
0-40	1127.18	N.A.	84.40
0-60	1294.88	N.A.	97.00
0-80	1333.79	N.A.	99.90
0-90	1335.23	N.A.	100.00
10-90	1190.08	N.A.	89.10
20-40	611.40	N.A.	45.80
20-50	716.97	N.A.	53.70
40-70	197.93	N.A.	14.80
60-80	38.91	N.A.	2.90
70-80	8.68	N.A.	0.70
80-90	1.43	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1335.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.15
10-20	370.63
20-30	381.06
30-40	230.34
40-50	105.57
50-60	62.13
60-70	30.23
70-80	8.68
80-90	1.43
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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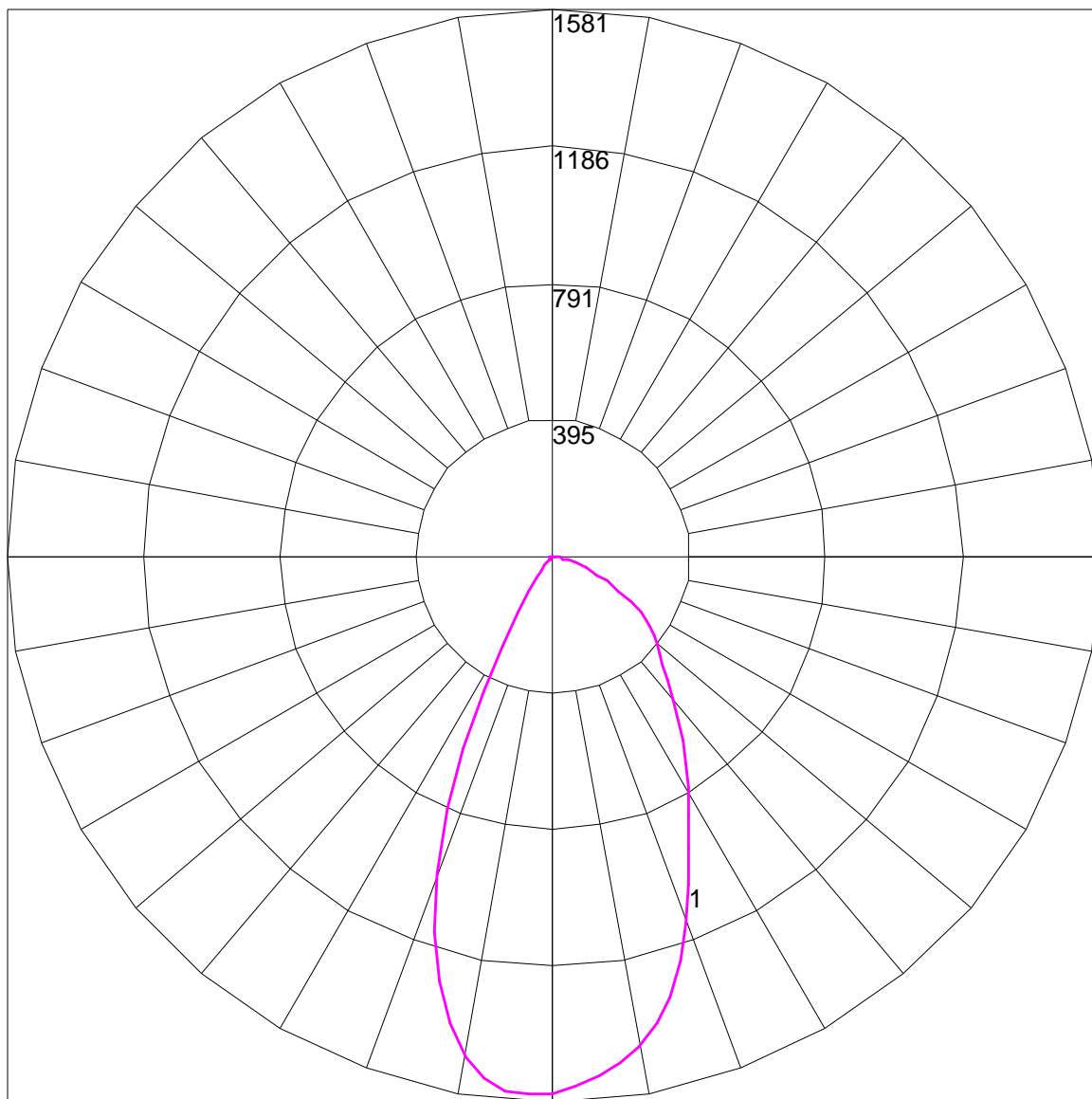
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58
8	77	68	61	57	76	67	61	57	66	61	57	65	60	56	64	59	56	55
9	74	64	58	54	73	63	57	53	62	57	53	61	57	53	61	56	53	51
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49

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POLAR GRAPH



Maximum Candela = 1581.055 Located At Horizontal Angle = 135, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)